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## CLAIMS

- 1. Vaccine formula intended for cats, comprising at least three polynucleotide vaccine valencies each comprising a plasmid integrating, so as to express it
- in vivo in the host cells, a gene with one feline pathogen valency, these valencies being selected from those of the group consisting of feline leukaemia virus, panleukopenia virus, infectious peritonitis virus, coryza virus, calicivirosis virus, feline
- immunodeficiency virus and possibly rabies virus, the plasmids comprising, for each valency, one or more of the genes selected from the group consisting of env and gag for the feline leukaemia, VP2 for the panleukopenia, modified S and M for the infectious
- peritonitis, gB and gD for the coryza, capsid for the calicivirosis, env and gag/pro for the feline immunodeficiency and G for the rabies.
  - 2. Vaccine formula according to Claim 1, which comprises the panleukopenia, coryza and calicivirosis valencies.
  - 3. Vaccine formula according to Claim 1 or 2, which comprises the coryza virus gB and gD genes, in the same plasmid or in different plasmids, or only one of these genes.
- 4. Formula according to Claim 1, which comprises the feline leukaemia virus env and gag genes, in the same plasmid or in different plasmids, or the env gene alone.
- 5. Vaccine formula according to Claim 1, which comprises the two env and gag/pro genes in different plasmids or in the same plasmid, or only one of these genes.
  - 6. Vaccine formula according to Claim 1 or 2, which comprises the M gene or the modified S gene in a plasmid or all the genes encoding M or modified S in the same plasmid or in different plasmids.
  - 7. Vaccine formula according to any one of Claims 1 to 6, which comprises from 10 ng to 1 mg, preferably

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from 100 ng to 500  $\mu g$  , still more preferably from 1  $\mu g$  to 250  $\mu g$  of each plasmid.

- 8. Use of one or more plasmids as described in any one of Claims 1 to 7, for the manufacture of a vaccine intended to vaccinate cats first vaccinated by means of a first vaccine selected from the group consisting of a live whole vaccine, an inactivated whole vaccine, a subunit vaccine, a recombinant vaccine, this first vaccine having the antigen(s) encoded by the plasmid(s) or antigen(s) providing cross-protection.
- Vaccination kit for cats grouping together a 9. vaccine formula according to any one of Claims 1 to 8 a vaccine for cats selected from consisting of a live whole vaccine, an inactivated a subunit vaccine, 15 whole vaccine, a recombinant vaccine, this first vaccine having the antigen encoded by the polynucleotide vaccine or an antigen providing cross-protection, for administration of the latter in first vaccination and as a booster with the vaccine 20 formula.
- 10. Vaccine formula according to any one of Claims 1 to 8, accompanied by a leaflet indicating that this formula can be used as booster for a first vaccine for cats, selected from the group consisting of a live whole vaccine, an inactivated whole vaccine, a subunit vaccine, a recombinant vaccine, this first vaccine having the antigen encoded by the polynucleotide vaccine or an antigen providing cross-protection.